



FEMA

Daily Operations Briefing

Monday, October 5, 2015

8:30 a.m. EDT

Significant Activity: Oct 4 - 5



Significant Events: Southeast Flooding

Tropical Activity:

- Atlantic: Hurricane Joaquin; Disturbance 1 – Low (10%)
- Eastern Pacific: Disturbance 1 – Low (near 0%)
- Central Pacific: Tropical Storm Oho; Disturbance 2 – Low (20%); Disturbance 3 – Low (20%)
- Western Pacific: No activity affecting U.S. interests

Significant Weather:

- Rain & thunderstorms – West coast to Central/Southern Plains; Southeast
- Rain – Southeast to Tennessee Valley & Mid-Atlantic; Upper Mississippi Valley & Great Lakes
- Flash flooding possible – Central Great Basin, Central Rockies; Carolinas
- Critical/Elevated Fire Weather areas – None
- Red Flag Warnings – None
- Space weather: Past 24 hours – Minor, G1 geomagnetic storms observed; next 24 hours – Minor, G1 geomagnetic storms predicted

Declaration Activity: None

Flooding - Southeast



Situation:

- Moderate to heavy rainfall and flooding/flash flooding continued across the region through the weekend - heaviest impact felt across SC; **additional 3 inches is expected across the southern Mid-Atlantic through Tuesday morning**

Impacts:

- Widespread flooding and flash flooding reported
- Numerous Interstates, local & state roads, and bridges impacted
- **4 confirmed storm related fatalities (1 NC & 3 SC); 1 injury reported in NC**
- Shelters:
 - **SC: 26 open shelters with 903 occupants (*per SC EOC; NSS is reporting 31 shelters with 198 occupants*)**
 - **NC: 5 open with 20 occupants in NC (*ARC Midnight Shelter Count as of 7:00 am EDT*)**
- **As of 3:00 am EDT, 21k customers without power in SC; 34K customers without power in NC**
- **Hundreds of people evacuated statewide in SC**
- **Multiple private dams breached or overtopped in SC**
- **Aerial & swift water rescues being conducted; media reporting over 200 rescues**
- **City of Columbia could be without water service for 3-4 days; response pre-planning ongoing**
 - **Local hospitals planning possible patient evacuation due to lack of water**
- **School / Local Government closures; 13 County Governments closed, 5 delayed opening; 79 schools and school systems closed, 2 delayed (including Colleges Technical, Private); University of SC closed**

Flooding - Southeast



FEMA Region III:

- RRCC not activated; RWC at Enhanced Watch (day shift)
- [Region III IMAT departed VA EOC, reconstituting at the RRCC today](#)
- VA EOC remains Partially Activated; VA Governor declared State of Emergency

FEMA Region IV:

- RRCC Fully Activated (day shift) with all ESFs & DCE; RWC at Enhanced Watch (night shift)
- Region IV IMATs & LNOs deployed to NC & SC
- SC EOC is Fully Activated; SC Governor declared State of Emergency
- NC & GA EOCs Partially Activated; NC Governor declared State of Emergency
- TN EOC Monitoring

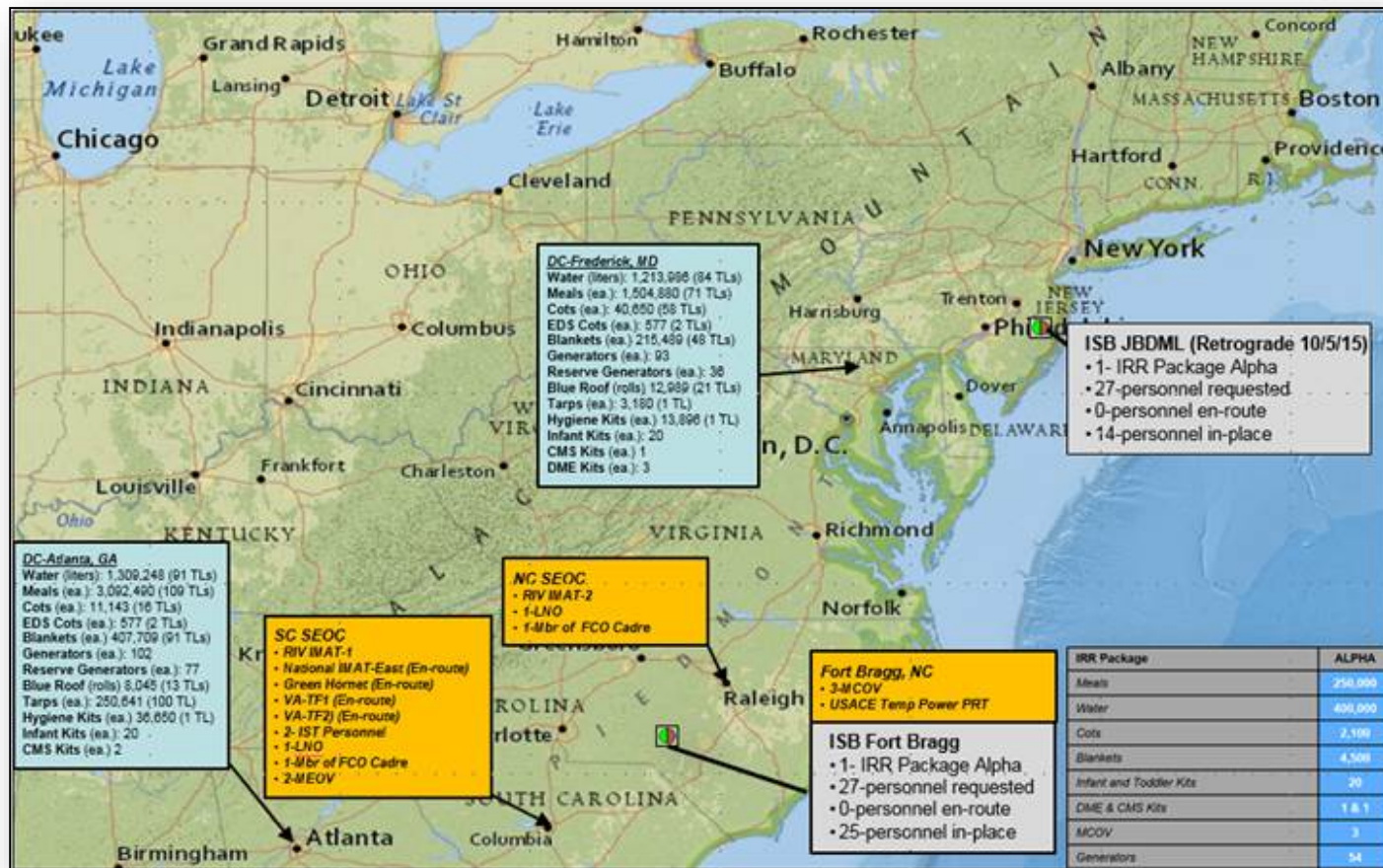
FEMA HQ:

- Emergency Declaration FEMA-3373-EM-SC approved Oct 3
- NRCC not activated (on Advisory); NWC at Enhanced Watch, 24/7
- National IMAT East-1 and DEC communications package/team deployed to SC EOC
- ISB teams in JBDML (NJ) & Ft. Bragg (NC)
- [US&R IST Red, VA-TF1 & VA-TF2 as Type I Task Forces deployed to SC](#)

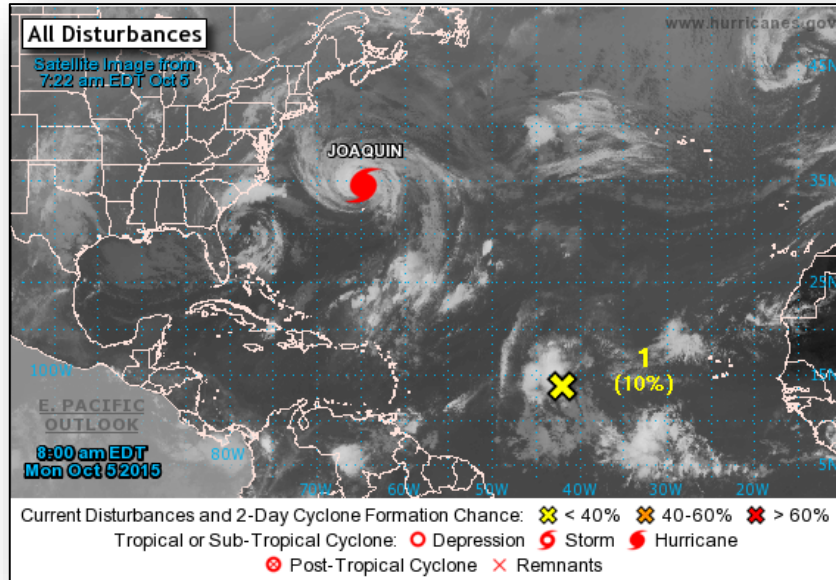
Commodities & Force Laydown



FEMA



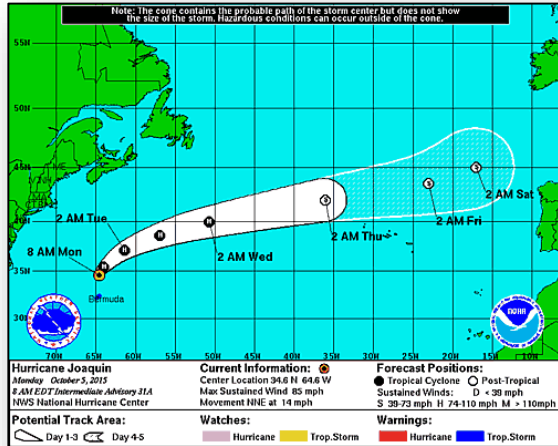
2 Day Tropical Outlook - Atlantic



Disturbance #1 (As of 8:00 a.m. EDT)

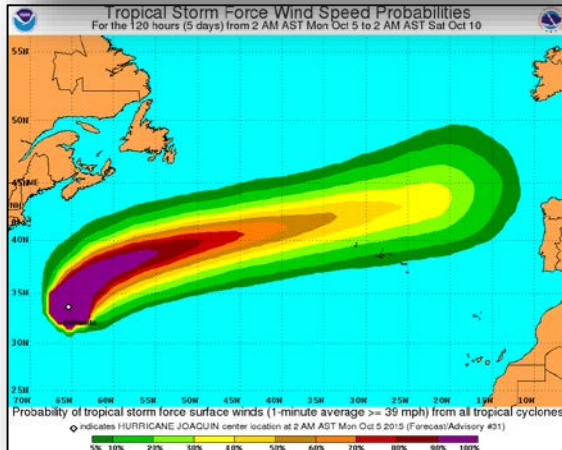
- Located 1,000 miles E of Lesser Antilles
- Moving WNW at 15 mph
- Upper-level winds expected to be unfavorable for tropical cyclone formation
- Development of this system becoming less likely
- Formation chance through 48 hours: Low (10%)
- Formation chance through 5 days: Low (20%)

Atlantic – Hurricane Joaquin

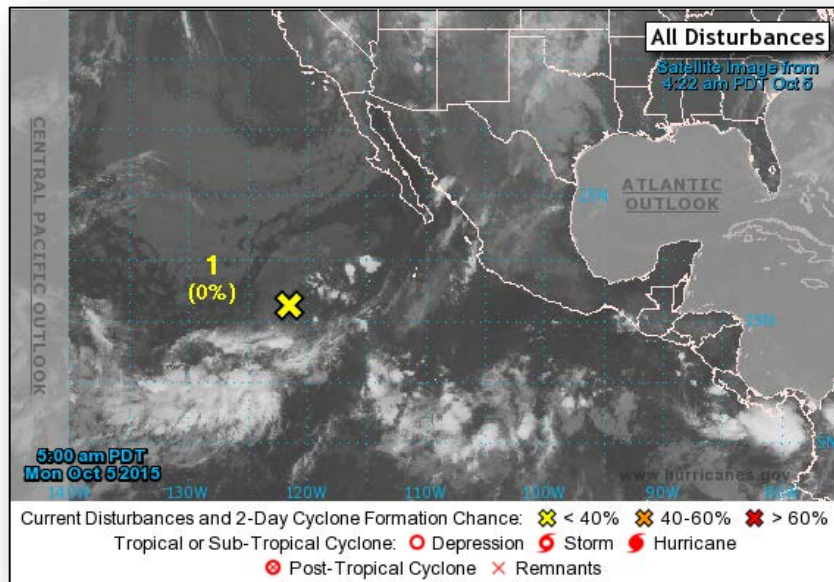


Hurricane Joaquin (Advisory #31a as of 8:00 a.m. EDT)

- Located 160 miles N of Bermuda
- Moving NNE at 14 mph
- Turn NE expected later today, followed by turn ENE on Tues
- Maximum sustained winds 85 mph (Category 1)
- Gradual weakening forecast next 48 hours
- Hurricane force winds extend 60 miles
- Tropical storm force winds extend 205 miles
- Tropical Storm Warning in effect for Bermuda



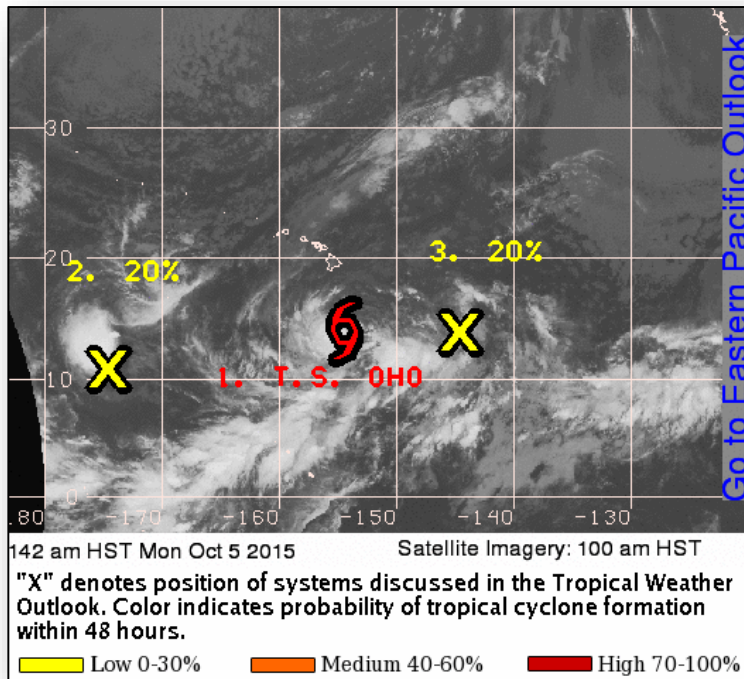
2 Day Tropical Outlook – Eastern Pacific



Disturbance #1 (As of 8:00 a.m. EDT)

- Located 900 miles WSW of southern tip of Baja California peninsula
- Moving NE and then N at 5-10 mph
- Environmental conditions expected to become less favorable next couple of days
- Development of this system not expected
- Formation chance through 48 hours: Low (near 0%)
- Formation chance through 5 days: Low (near 0%)

2 Day Tropical Outlook - Central Pacific



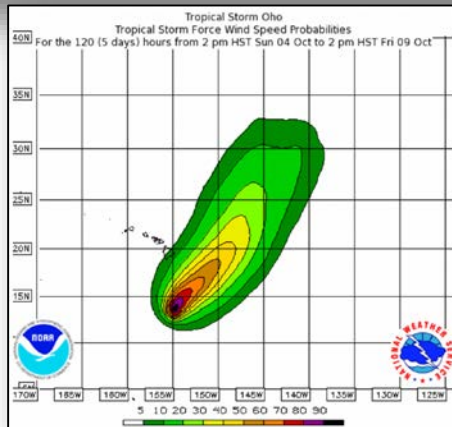
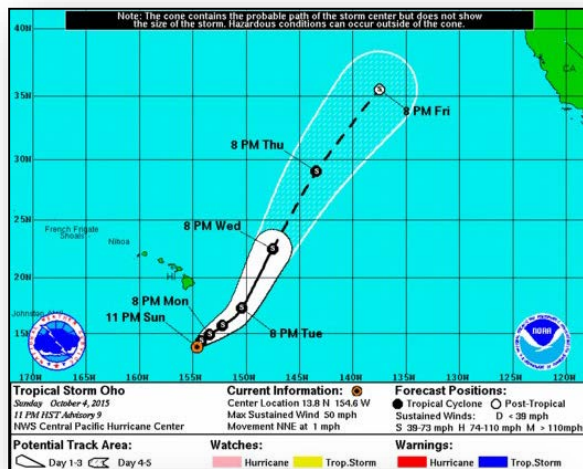
Disturbance #2 (As of 8:00 a.m. EDT)

- Remnant low, formerly Tropical Depression Eight-C
- Located 1,325 miles SW of Honolulu, HI
- Moving W at 10 mph
- Atmospheric conditions will likely inhibit redevelopment next couple of days
- Formation chance through 48 hours: Low (20%)

Disturbance #3 (As of 8:00 a.m. EDT)

- Located 815 miles SE of Hilo, HI
- Moving slowly N
- Conditions becoming less conducive for significant development next couple of days
- Formation chance through 48 hours: Low (20%)

Central Pacific – Tropical Storm Oho



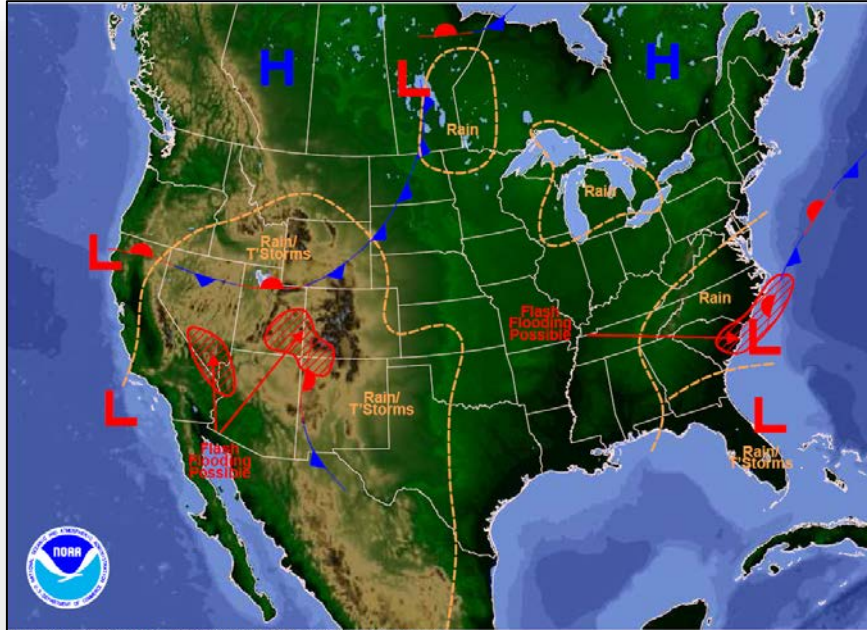
Tropical Storm Oho Advisory #9 (As of 5:00 a.m. EDT)

- Located 410 miles S of Hilo, Hawaii
- Moving NNE at 1 mph
- Expected to begin moving NE later today
- Forecast to accelerate NE today through Tues
- Maximum sustained winds 50 mph
- Gradual intensification forecast through Tues night
- Tropical storm force winds extend 15 miles
- No coastal watches or warnings in effect

Response

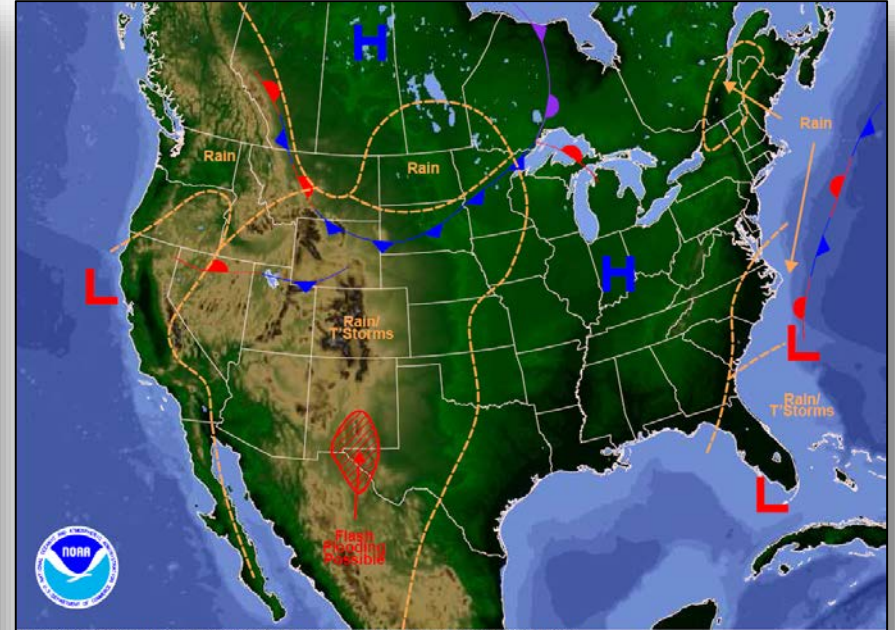
- FEMA Region IX RWC returned to Watch/Steady State
- HLT LNO deployment to Central Pacific Hurricane Center cancelled October 4
- ISB team (7 people) deployed to DC HI
- Seaports and airports remain at normal operations

National Weather Forecast



Weather Forecast for Mon, Oct 05, 2015, issued 4:50 AM EDT
DOC/NOAA/NWS/NCEP/Weather Prediction Center
Prepared by McCreynolds based on WPC, SPC and NHC forecasts

Today



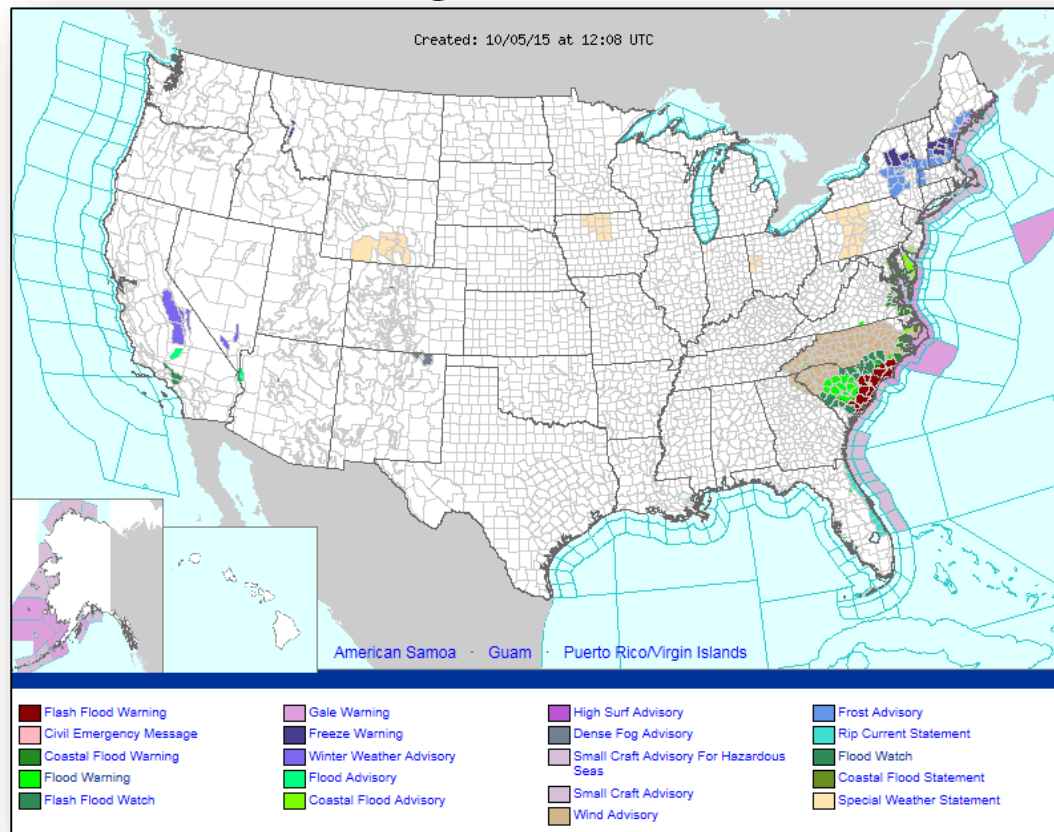
Weather Forecast for Tue, Oct 06, 2015, issued 4:56 AM EDT Mon, Oct 05, 2015
DOC/NOAA/NWS/NCEP/Weather Prediction Center
Prepared by McCreynolds based on WPC, SPC and NHC forecasts

Tomorrow

Active Watches/Warnings



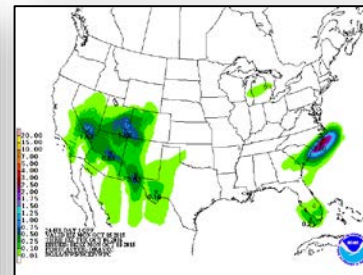
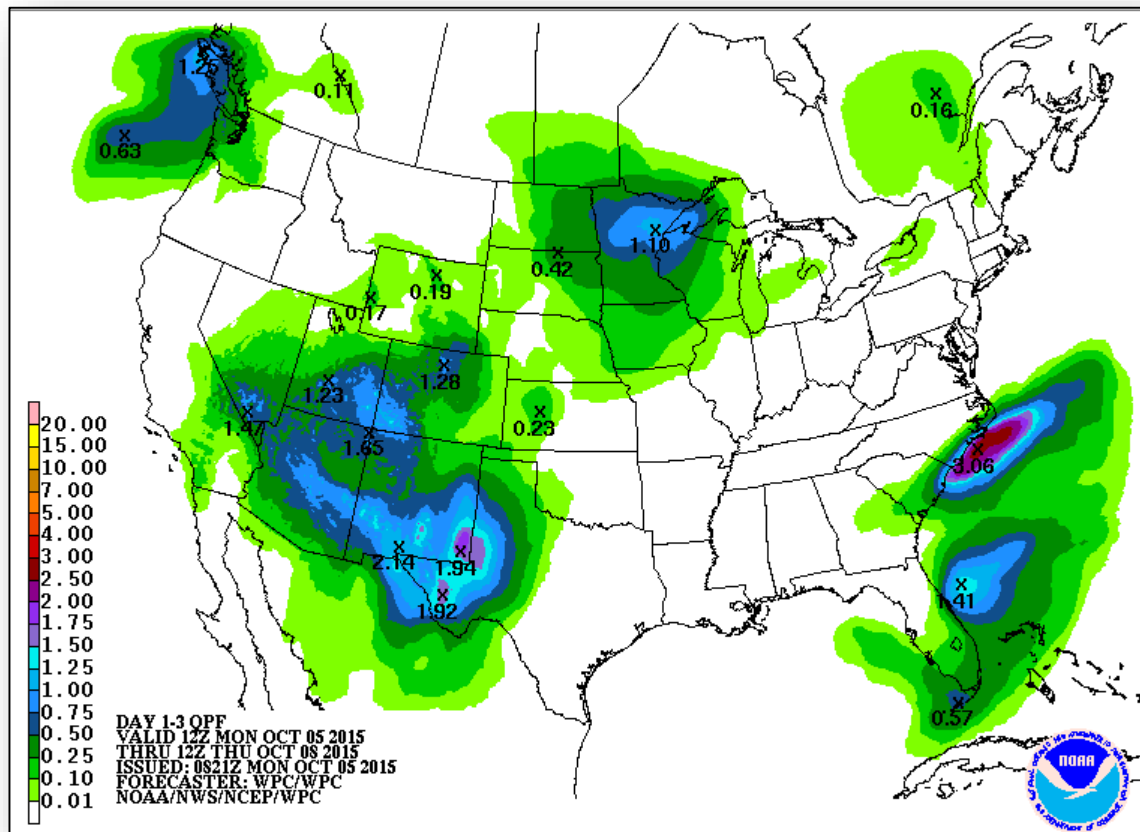
FEMA



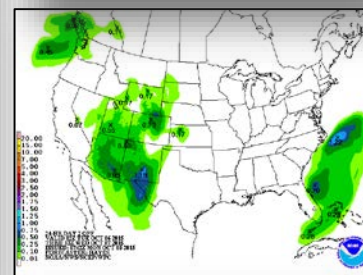
Precipitation Forecast, 1 – 3 Day



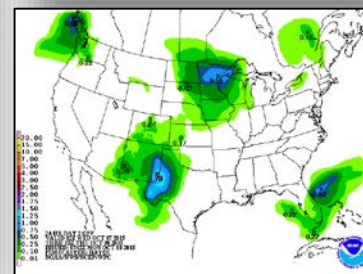
FEMA



Day 1

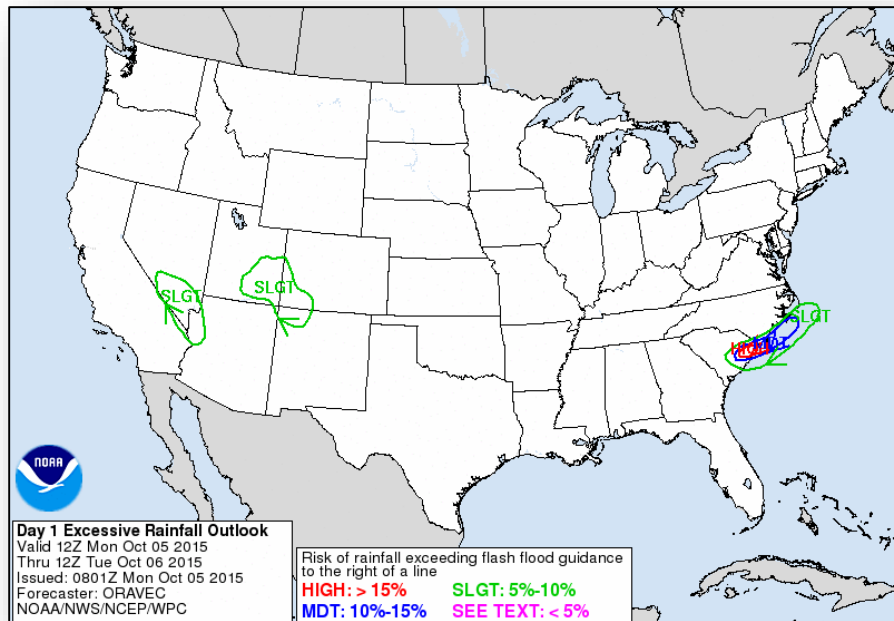


Day 2

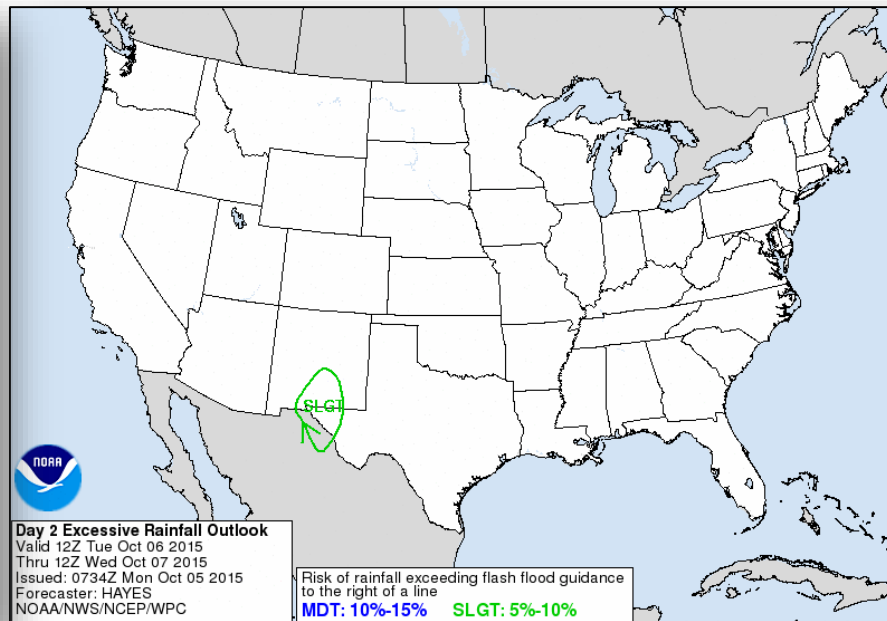


Day 3

Flash Flood Potential, Days 1 – 2

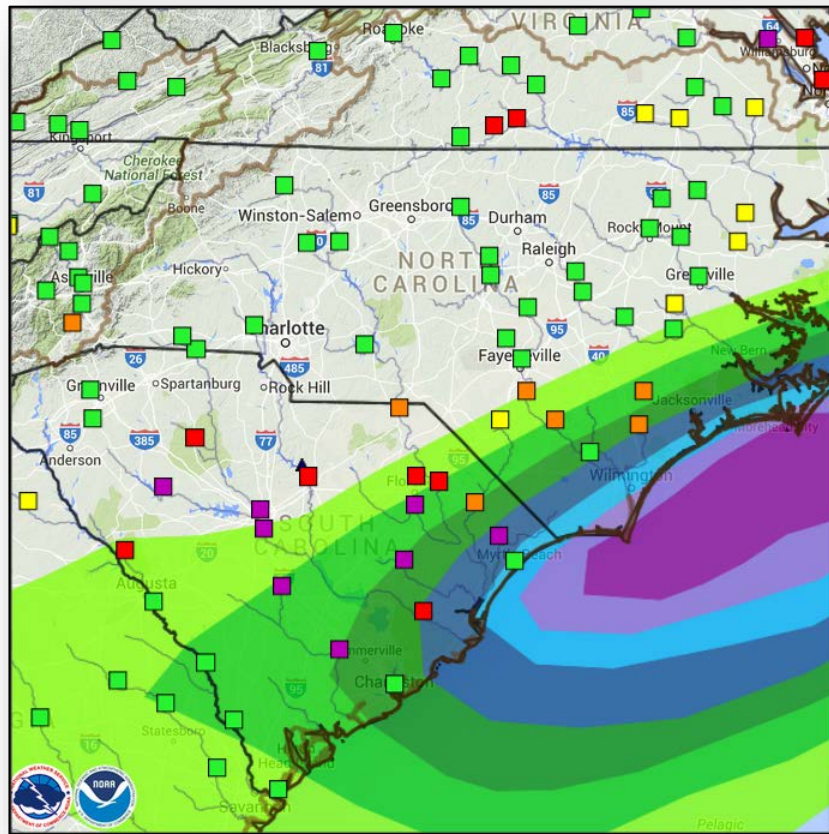


Day 1



Day 2

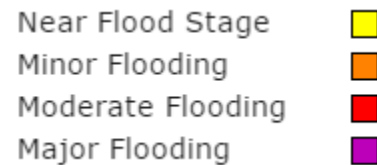
Forecast Rainfall - River and Tidal Gauges



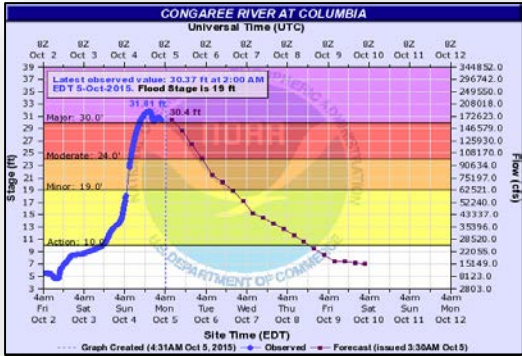
24-Hour Rainfall Forecast (valid through Tuesday night)



River and Coastal Flood Forecast

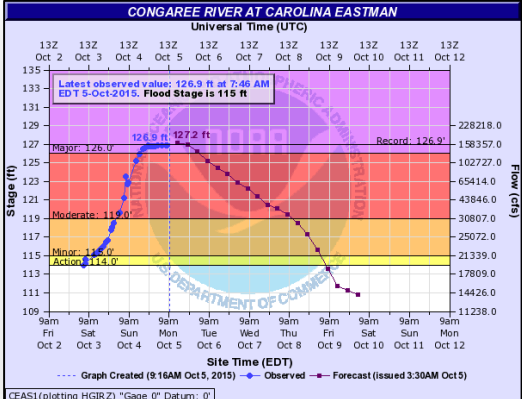


Congaree River – Columbia, SC



Potential Impacts:

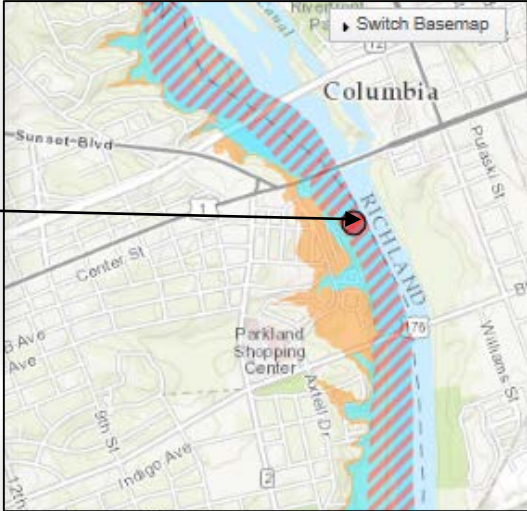
26': SCE&G Columbia Canal Hydroelectric Plant and Palmetto Rock Quarry flooded



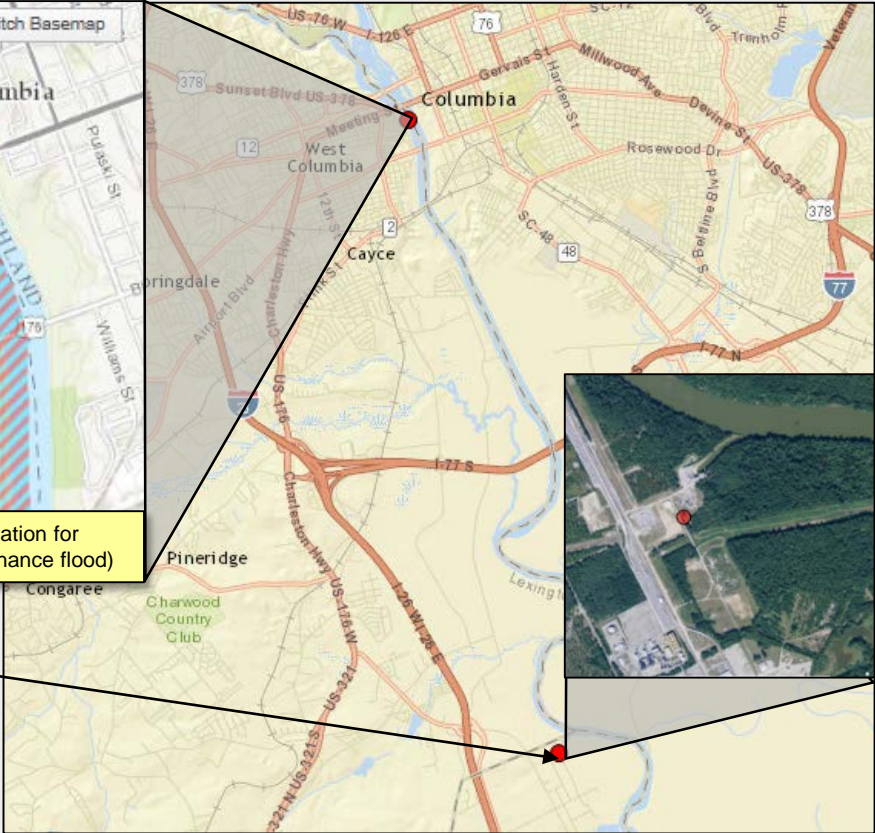
Potential Impacts:

127': Record flood, major impacts are to farmland and potential flooding of the Eastman Textile plant

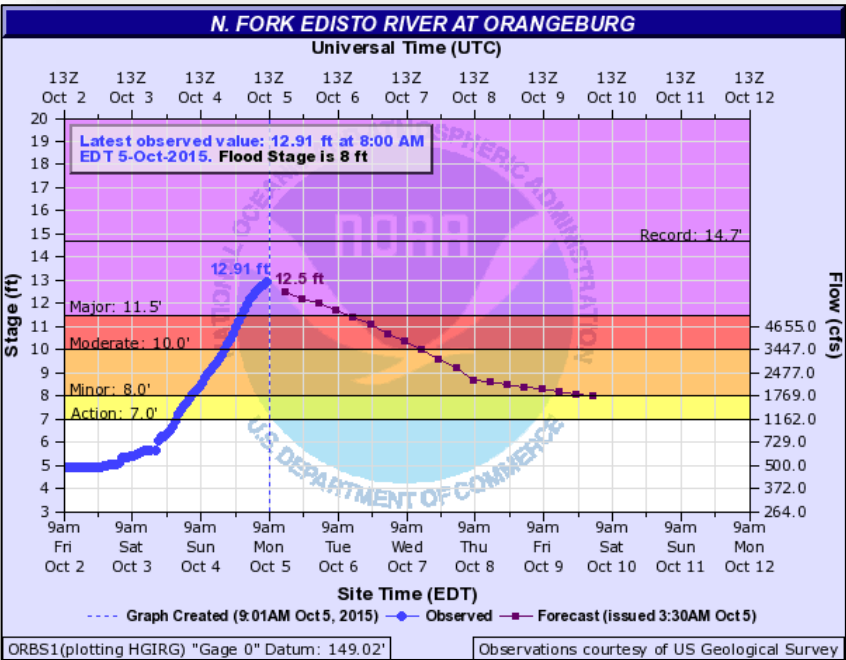
*Forecast of 127.2' would be highest crest on record



Blue shading indicates potential inundation for near Major Flood Stage (1% annual chance flood)



North Fork Edisto River – Orangeburg, SC



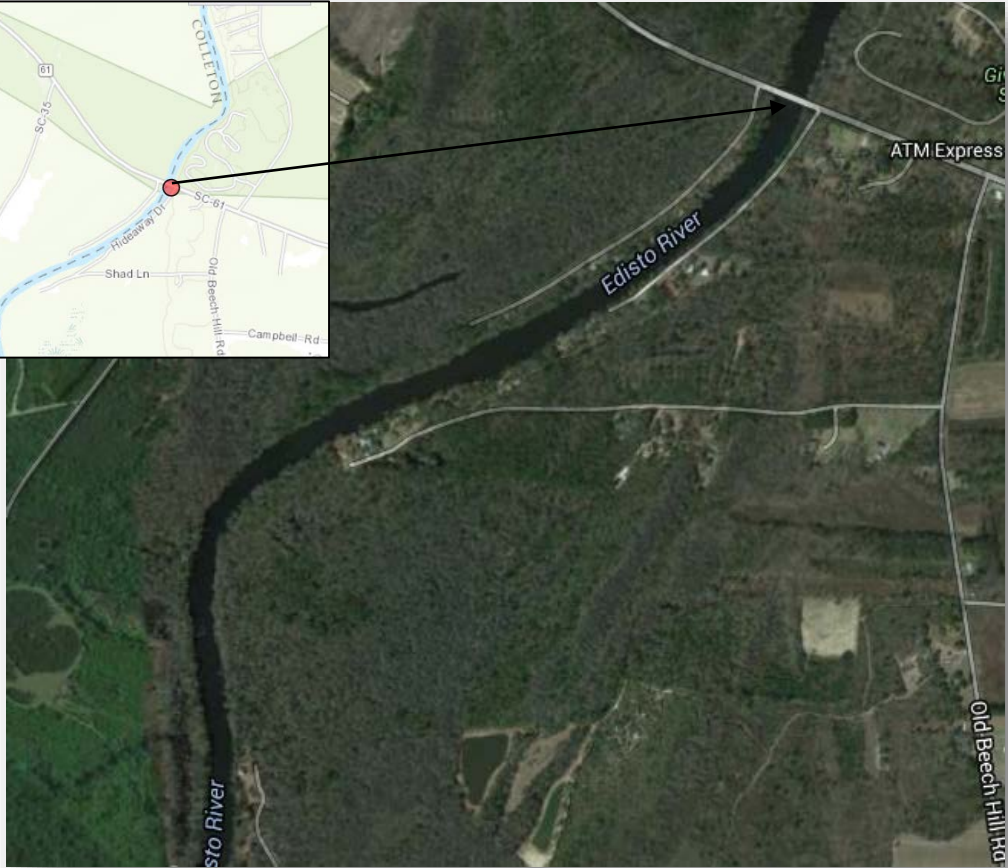
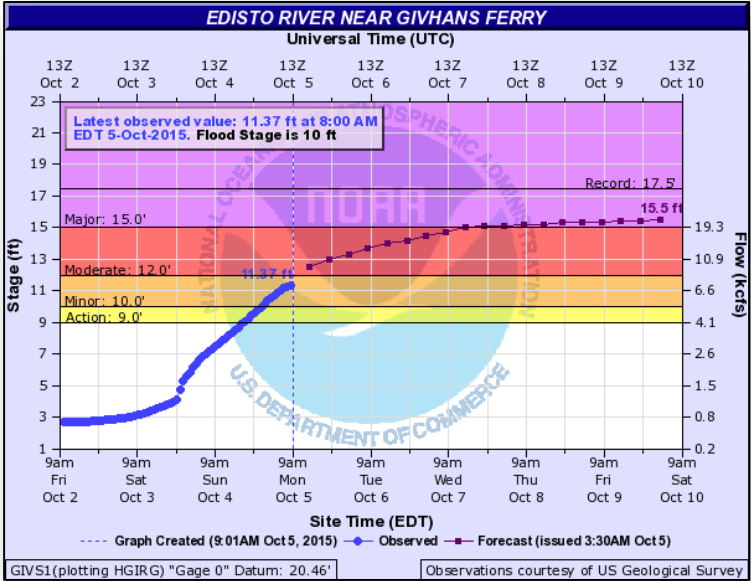
Potential Impacts:

- 10': Farmland and lowlands along Highway 301 near Orangeburg become flooded
- 8': Some minor flooding occurs along the boardwalk at Edisto Gardens



Blue shading indicates potential inundation near Major Flood Stage (1% annual chance flood)

Edisto River – Givhans Ferry, SC

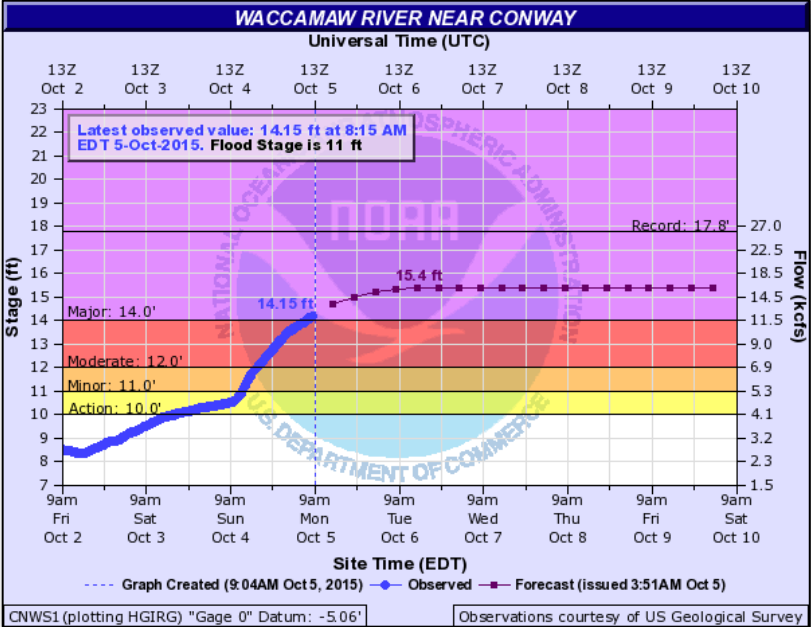


Potential Impacts:

- No FEMA Flood Hazard Layer available; rough estimate of population along river: 250 between Canadys Landing and Norman Landing (26 mi)
- If river reaches forecast Major Flood Stage, extensive damage to homes and cabins in the area; river roads impassible.
- Gauge is located near a State Park where housing is minimal

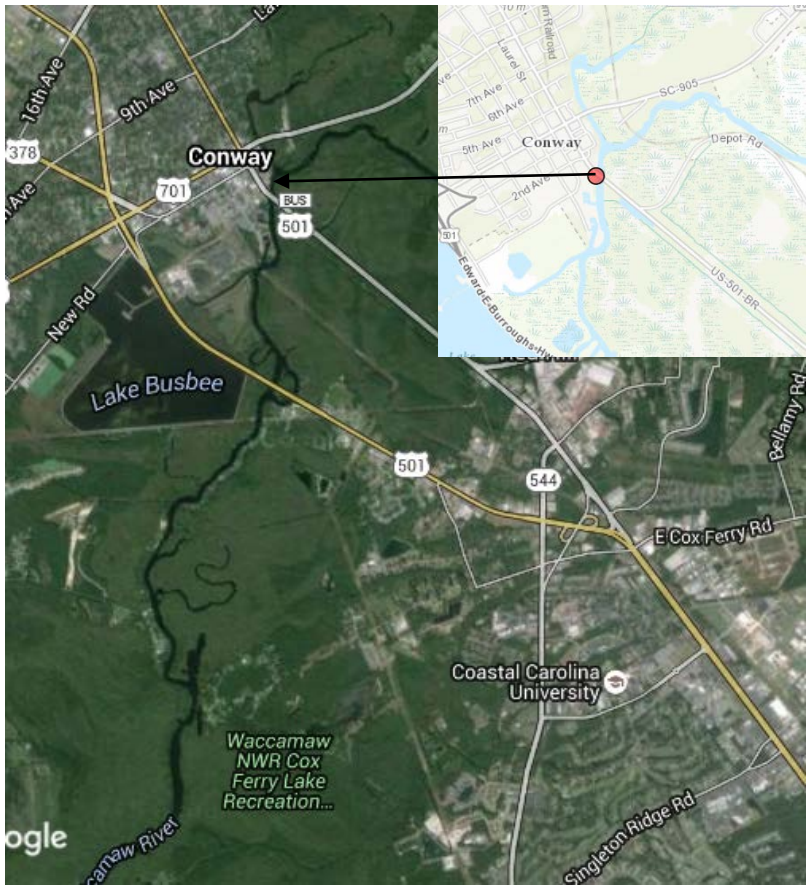
*Forecast of 15.5' would be 8th highest crest on record at this location.

Waccamaw River – Near Myrtle Beach, SC

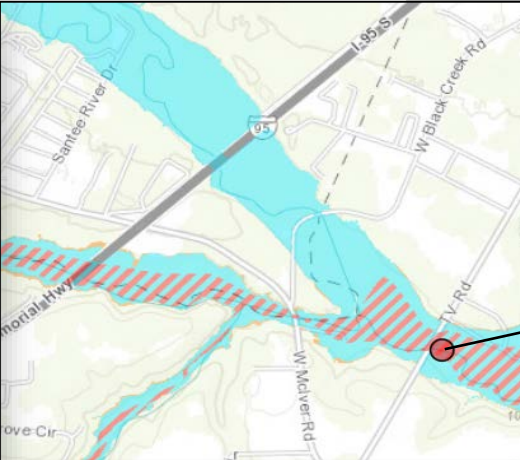
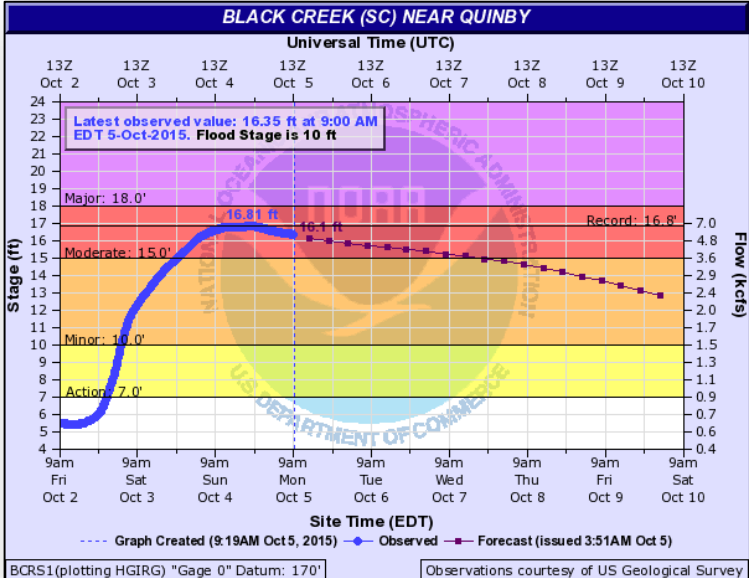


Potential Impacts:

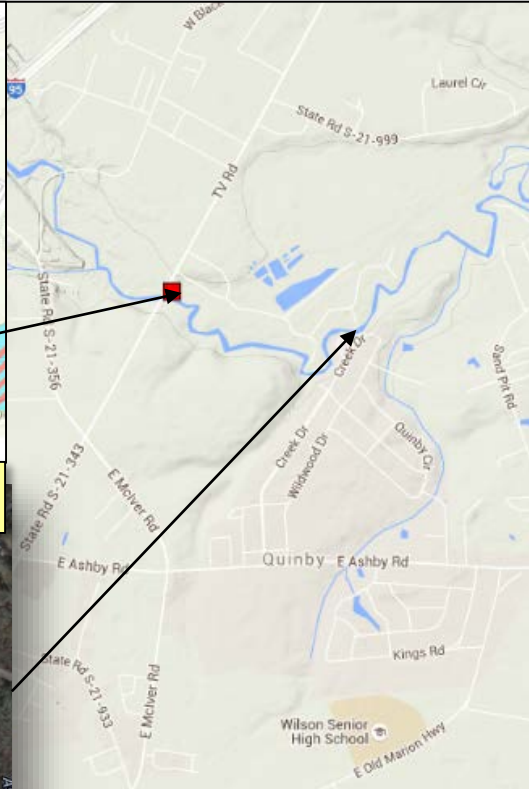
Most of the river is bordered by swamp and farmland
At forecast flood level, Hwy 501 and SC 905 become flooded. Homes and businesses near Business 501 (Conway) may experience flooding



Black Creek River – Quinby, SC



Blue shading indicates potential inundation for near Major Flood Stage (1% annual chance flood)

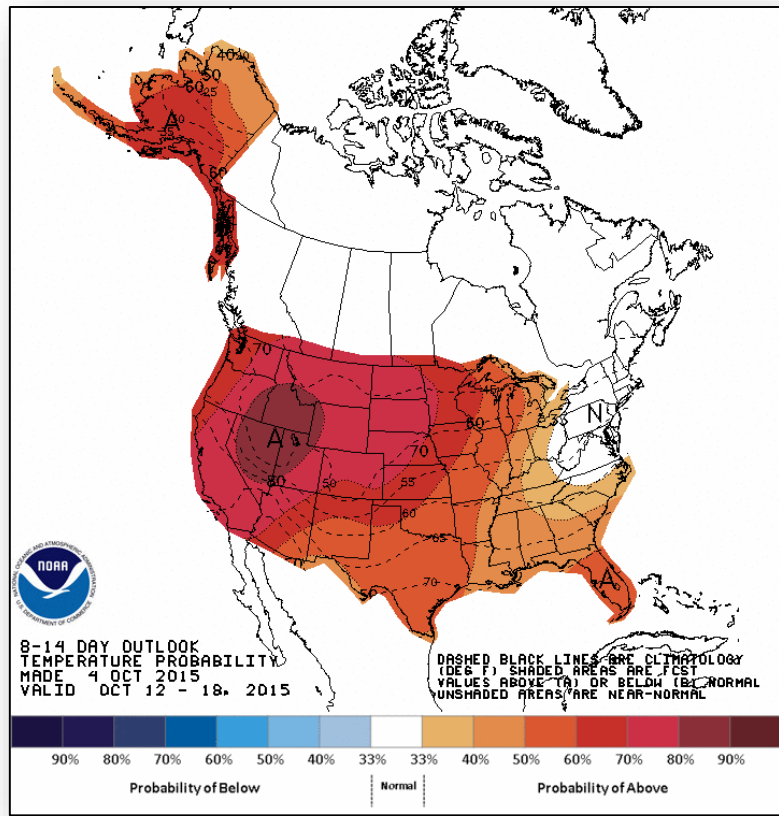


Potential Impacts:

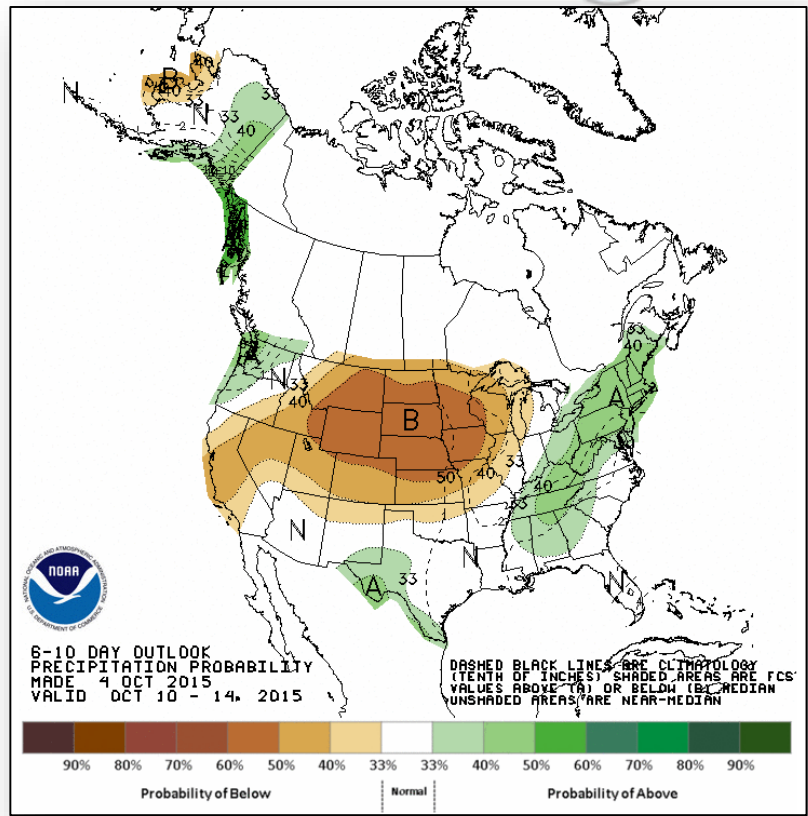
Affected daytime population 1,845 (based on FEMA Flood Hazard Layer)
 17': Floodwaters inundate approximately 20 homes on Creekside Drive, East Black Creek Road and Crooked Creek Drive

*Crest of 16.8' was highest crest on record at this location.

6-10 Day Outlooks



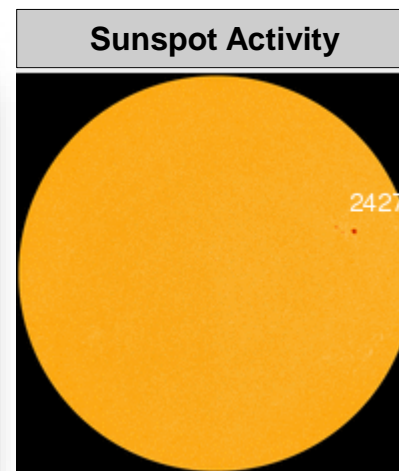
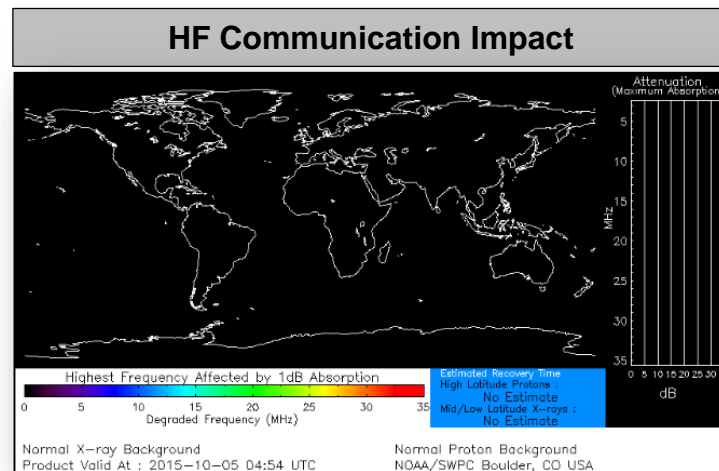
Temperature Probability



Precipitation Probability

Space Weather

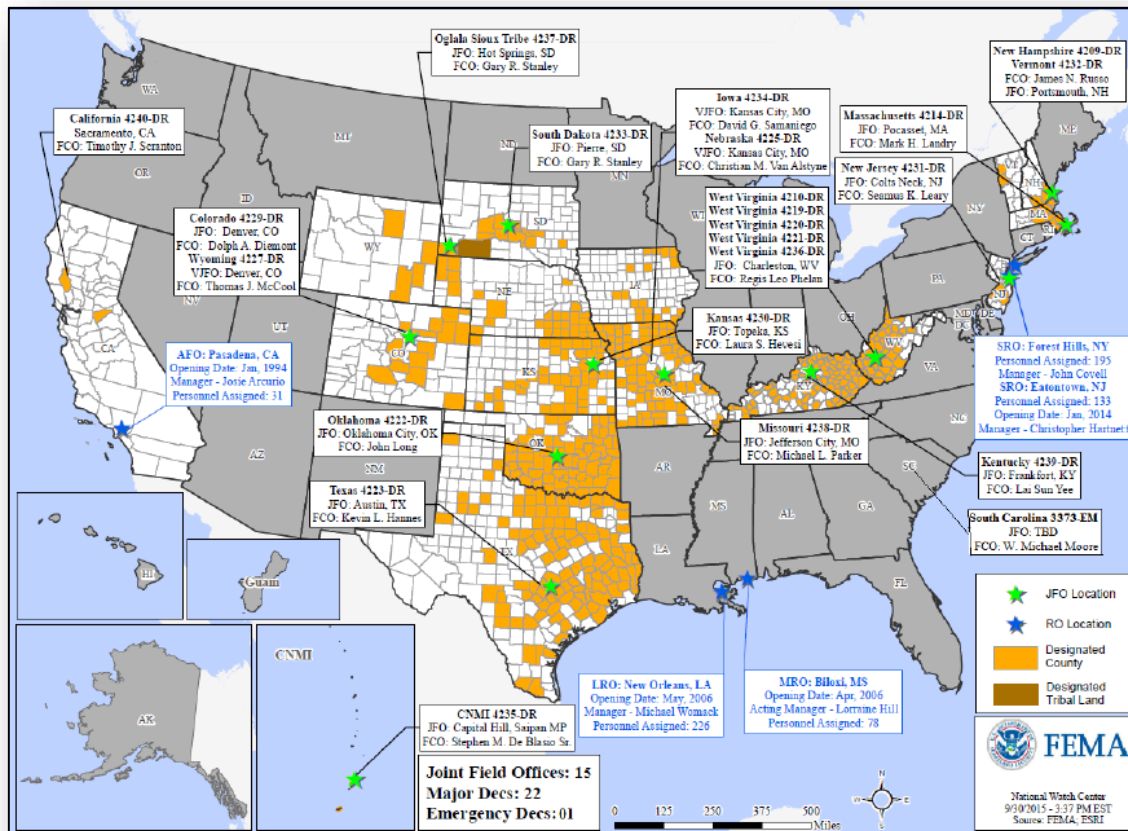
	Past 24 Hours	Current	Next 24 Hours
Space Weather Activity:	Minor	None	Minor
• Geomagnetic Storms	G1	None	G1
• Solar Radiation Storms	None	None	None
• Radio Blackouts	None	None	None



Open Field Offices as of October 5



FEMA



FEMA Readiness – Deployable Teams /Assets



Deployable Teams/Assets																												
Resource	Status	Total	FMC Available		Partially Available	Not Available	Detailed, Deployed, Activated	Comments	Rating Criterion																			
FCO		34	7	20%	0	3	24		OFDC Readiness: <table><tr><td>FCO</td><td>Green</td><td>Yellow</td><td>Red</td></tr><tr><td>Type 1</td><td>3+</td><td>2</td><td>1</td></tr><tr><td>Type 2</td><td>4+</td><td>3</td><td>2</td></tr><tr><td>Type 3</td><td>4</td><td>3</td><td>2</td></tr></table> <u>FDRC</u> <table><tr><td>3</td><td>2</td><td>1</td></tr></table>	FCO	Green	Yellow	Red	Type 1	3+	2	1	Type 2	4+	3	2	Type 3	4	3	2	3	2	1
FCO	Green	Yellow	Red																									
Type 1	3+	2	1																									
Type 2	4+	3	2																									
Type 3	4	3	2																									
3	2	1																										
FDRC		9	3	33%	0	1	5																					
US&R		28	24	86%	1	1	2	IST Red, VA-TF1 & VA-TF2 (Blue) – Deployed as Type 1 Task Forces to SC NY TF-1 Available PA-TF1 (Yellow) - Sep 29-Oct 5 for Cache Reconstitution NM-TF1 (Red) – Personnel shortages	<ul style="list-style-type: none">• Green = Available/FMC• Yellow = Available/PMC• Red = Out-of-Service• Blue = Assigned/Deployed																			
National IMAT		3	2	67%	0	0	1	N IMAT East-1 deployed to SC	<ul style="list-style-type: none">• Green: 3 avail• Yellow: 1-2 avail• Red: 0 avail (<i>Individual N-IMAT red if 50% of Section Chiefs and/or Team Leader is unavailable for deployment.</i>)																			
Regional IMAT		13	4	30%	1	0	8	<u>Deployed:</u> RIII Reconstituting (Available) RIV (Team 1) Deployed to SC; (Team 2) Deployed to NC RVI (Team 2) Deployed to TX RVII Deployed to MO RVIII (Team 1) Deployed to CO RIX (Team 1) Deployed to Guam/CNMI; (Team 2) Deployed to CA RX (Yellow) Partially Mission Capable	<ul style="list-style-type: none">• Green: 7 or more avail• Yellow: 4 - 6 teams available• Red: > 8 teams deployed/unavailable <i>R-IMAT also red if TL Ops/Log Chief is unavailable & has no qualified replacement</i>																			
MCOV		59	12	20%	0	10	37	10 MCOVs deployed to CA 10 en route (7 to Frederick, 3 to Fort Bragg) 17 unit prep (8 Frederick, 9 Thomasville)	<ul style="list-style-type: none">• Green = 80 – 100% avail• Yellow = 60 – 79% avail• Red = 59% or below avail• Readiness remains 95%																			

FEMA Readiness – National/Regional Teams



National/Regional Teams									
Resource	Status	Total	FMC Available		Partially Available	Not Available	Status	Comments	Rating Criterion
NWC		5	5	100%	0	0	Activated	Enhanced Watch (24/7)	<ul style="list-style-type: none"> • Green = FMC • Yellow = PMC • Red = NMC
NRCC		2	344	89%	0	44	Not Activated	NRCS on Advisory	
HLT		1	N/A	N/A	0	0	Activated		
DEST							Not Activated		
RRCCs		10	9	90%	0	0	Activated	Region IV – Level I (day shift) with all ESFs & DCE	
RWCs/MOCs		10	10	100%	0	0	Activated	Region III – Enhanced Watch (day shift) Region IV – Enhanced Watch (night shift) Region IX – Enhanced Watch (24/7) for Tropical Storm Oho; returning to Watch/Steady State at 9:00 am EDT	



FEMA

FEMA's mission is to support our citizens and first responders to ensure that as a nation we work together to build, sustain, and improve our capability to prepare for, protect against, respond to, recover from, and mitigate all hazards.